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Industrial Fishery Products - 1970

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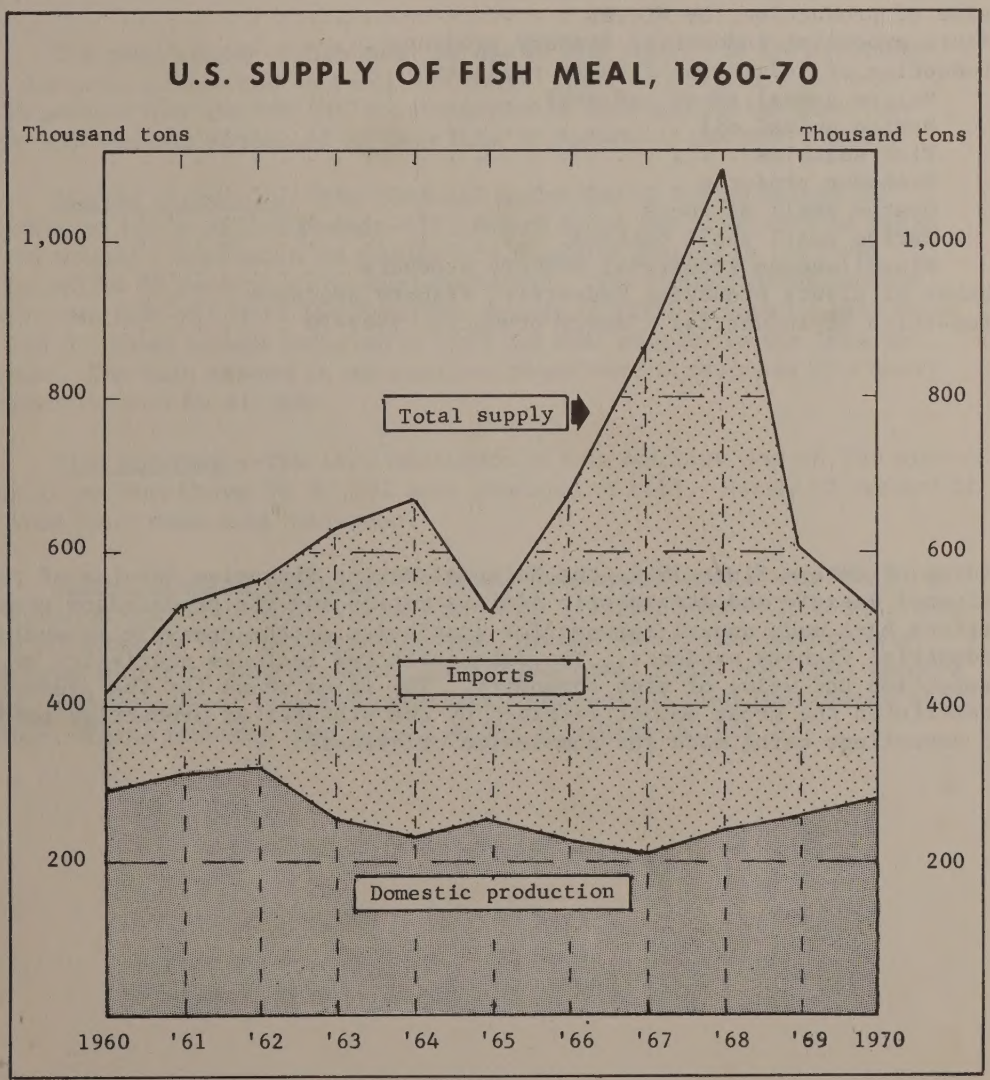
National Marine Fisheries Service

Annual Summary

FISH & WILDLIFE SERVICE



NAT'L MARINE FISHERIES
SERVICE

APR 12 8 17 AM '71

HONOLULU LABORATORY

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Source of data:--Since 1921, the National Marine Fisheries Service of the National Oceanic and Atmospheric Administration and its predecessor organizations have made annual surveys for statistics on the domestic production of industrial fishery products. The data collected includes statistics on the production and value of each commodity. The value shown for the products constitutes the gross amount received by the producer at production point, no deductions being made for commission or expenses.

Review

The 1970 production of industrial fishery products by 127 plants in the United States, American Samoa and Puerto Rico was valued at $100 million--an increase of $15.5 million compared with 1969.

Marine animal scrap and meal:--The 1970 production of 276,962 tons was 10 percent over the 1969 production and the largest since 1962. Menhaden meal (186,820 tons) accounted for 67 percent of the total meal production. Fishing for menhaden in the Atlantic was much better in 1970 than in 1969 and landings at Gulf ports established a new record. Total landings of menhaden were about 1.8 billion pounds--about 19 percent above those of the previous year.

The total supply of fish meal for use in this country in 1970 (imports plus domestic production) was 528,454 tons. Imports (251,492 tons) were off 30 percent from the 358,350 tons imported in 1969 and for the first time since 1962 imports accounted for less than 50 percent of the total supply.

Marine animal oil:--The domestic production of marine animal oil amounted to 194.4 million pounds--15 percent above the 1969 yield of 169.8 million pounds. Menhaden oil totaled 174.9 million pounds in 1970 and accounted for 90 percent of the total production. The United States exports of domestic fish oils were 158.8 million pounds in 1970--somewhat less than the 196.1 million pounds exported in 1969 but still well above the 1964-68 average. The high exports in the past two years were in response to a heavy European demand for all oils.

Fish solubles:--The 1970 production of fish solubles was 97,160 tons--about 19 percent above the 81,692 tons produced in 1969. Nearly 77 percent of the total yield came from menhaden.

Other industrial products:--Products from oyster shells were valued at $3.4 million compared with $3.3 million in the previous year. Other industrial items produced in 1970 included agar agar, animal feeds, fish feed pellets, Irish moss extracts, kelp products, leather products, liquid fertilizer, colored chips, pearl essence, crab and clam shells and mussel shell lime valued at $26.6 million. These products were valued at $27.2 million in 1969.

SUMMARY OF PRODUCTION, BY PRODUCTS, 1970

PRODUCT	NUMBER OF PLANTS	UNIT	QUANTITY	VALUE
MARINE ANIMAL SCRAP AND MEAL	91	TONS	276,962	$47,600,121
MARINE ANIMAL OILS, BODY OIL	48	THOUSAND POUNDS	194,423	17,388,613
FISH SOLUBLES	29	TONS	97,160	5,148,555
OYSTER SHELL GRIT AND LIME ("LIVE AND REEF SHELLS")	6	TONS	204,037	3,409,340
MISCELLANEOUS INDUSTRIAL PRODUCTS	26	-	-	26,598,533
TOTAL	1/127	-	-	100,145,162

1/ EXCLUSIVE OF DUPLICATION.

VALUE OF PRODUCTION, BY STATES, 1970

STATE	VALUE
MAINE	$11,540,723
MASSACHUSETTS AND RHODE ISLAND	2,218,200
NEW JERSEY AND PENNSYLVANIA	1,605,276
MARYLAND	1,140,260
VIRGINIA	11,976,491
NORTH CAROLINA	3,043,246
GEORGIA AND ALABAMA	1,533,550
FLORIDA	2,292,185
MISSISSIPPI	6,664,542
LOUISIANA	30,099,215
TEXAS, IOWA, AND WISCONSIN	2,858,471
WASHINGTON	1,532,499
OREGON	955,068
CALIFORNIA	21,353,656
ALASKA	5,238
AMERICAN SAMOA AND PUERTO RICO	1,326,542
TOTAL	100,145,162

PLANTS PRODUCING INDUSTRIAL FISHERY PRODUCTS, 1970

AREA AND STATE	NUMBER
NEW ENGLAND:	
MAINE	10
MASSACHUSETTS	3
RHODE ISLAND	1
TOTAL	14
MIDDLE ATLANTIC:	
NEW JERSEY	4
PENNSYLVANIA	1
TOTAL	5
CHESAPEAKE:	
MARYLAND	4
VIRGINIA	8
TOTAL	12
SOUTH ATLANTIC AND GULF:	
NORTH CAROLINA	14
GEORGIA	1
FLORIDA	4
ALABAMA	2
(CONTINUED)	

AREA AND STATE	NUMBER
SOUTH ATLANTIC AND GULF (CONTINUED):	
MISSISSIPPI	5
LOUISIANA	30
TEXAS	2
TOTAL	58
GREAT LAKES, WISCONSIN	1
MISSISSIPPI RIVER, IOWA	2
PACIFIC COAST:	
ALASKA	1
WASHINGTON	6
OREGON	4
CALIFORNIA	19
TOTAL	30
AMERICAN SAMOA	2
PUERTO RICO	3
GRAND TOTAL	127

NOTE:--LISTS OF MANUFACTURERS OF FISHERY INDUSTRIAL PRODUCTS BY INDIVIDUAL COMMODITIES MAY BE OBTAINED FROM THE U.S. DEPARTMENT OF COMMERCE, NATIONAL MARINE FISHERIES SERVICE, DIVISION OF STATISTICS AND MARKET NEWS, 1801 N. MOORE ST., ARLINGTON, VIRGINIA 22209.

PRODUCTION OF MARINE ANIMAL SCRAP AND MEAL, 1970

PRODUCT	ATLANTIC AND GULF COASTS		PACIFIC COAST AND TERRITORIES		TOTAL	
	TONS	VALUE	TONS	VALUE	TONS	VALUE
DRIED SCRAP AND MEAL:						
ALEWIFE	1/ 2,356	1/ $383,390	-	-	2,356	$383,390
ANCHOVY	-	-	16,200	$2,786,993	16,200	2,786,993
CRAB	10,828	554,378	653	33,355	11,481	587,733
HERRING, SEA	2/ 6,415	2/1,174,696	-	-	6,415	1,174,696
MENHADEN	186,820	34,285,442	-	-	186,820	34,285,442
SHRIMP	2/ 699	2/ 34,470	-	-	699	34,470
THREAD HERRING	548	99,049	-	-	548	99,049
TUNA AND MACKEREL	-	-	3/26,674	3/3,753,067	26,674	3,753,067
WHALE	-	-	331	44,212	331	44,212
UNCLASSIFIED	1/23,200	1/4,112,537	2,238	338,532	25,438	4,451,069
TOTAL	230,866	40,643,962	46,096	6,956,159	276,962	47,600,121

1/ INCLUDES QUANTITIES PRODUCED IN THE GREAT LAKES. 2/ INCLUDES QUANTITIES PRODUCED ON THE PACIFIC COAST.
3/ INCLUDES QUANTITIES PRODUCED ON THE ATLANTIC COAST.

PRODUCTION OF MARINE ANIMAL OIL, 1970

PRODUCT	ATLANTIC AND GULF COASTS		PACIFIC COAST AND PUERTO RICO		TOTAL	
	THOUSAND POUNDS	VALUE	THOUSAND POUNDS	VALUE	THOUSAND POUNDS	VALUE
BODY OIL:						
ALEWIFE	1/ 535	1/ $37,908	-	-	535	$37,908
ANCHOVY	-	-	6,165	$439,333	6,165	439,333
HERRING, SEA	2/ 5,437	2/ 328,407	-	-	5,437	328,407
MENHADEN	174,909	16,061,163	-	-	174,909	16,061,163
TUNA AND MACKEREL	-	-	3,534	168,055	3,534	168,055
WHALE:						
SPERM	-	-	602	39,888	602	39,888
OTHER	-	-	78	6,131	78	6,131
UNCLASSIFIED	3/ 2,460	3/ 249,957	703	57,771	3,163	307,728
TOTAL	183,341	16,677,435	11,082	711,178	194,423	17,388,613

1/ INCLUDES QUANTITIES PRODUCED IN THE GREAT LAKES. 2/ INCLUDES QUANTITIES PRODUCED ON THE PACIFIC COAST.
3/ INCLUDES LIVER OILS.
NOTE:--TO CONVERT POUNDS OF OIL TO GALLONS, DIVIDE BY 7.75.

PRODUCTION OF FISH SOLUBLES, 1970

PRODUCT, STATE, AND NUMBER OF PLANTS	TONS	VALUE
FISH SOLUBLES:		
MASSACHUSETTS (1), RHODE ISLAND (1), AND NEW JERSEY (1)	4,804	$251,686
VIRGINIA (2) AND FLORIDA (1)	23,810	1,325,555
NORTH CAROLINA (5)	4,811	227,433
MISSISSIPPI (3)	10,716	445,428
LOUISIANA (9), AND TEXAS (1)	33,557	1,717,806
CALIFORNIA (4), AND OREGON (1)	19,462	1,180,647
TOTAL (29)	97,160	5,148,555

NOTE:--INCLUDES MENHADEN SOLUBLES.

PRODUCTION OF MENHADEN PRODUCTS, 1970

STATE AND NUMBER OF PLANTS	DRIED SCRAP AND MEAL		OIL		SOLUBLES		TOTAL
	TONS	VALUE	POUNDS	VALUE	TONS	VALUE	VALUE
RHODE ISLAND (1), NEW JERSEY (1), VIRGINIA (3), AND FLORIDA (1). .	49,290	$9,025,536	30,977,820	$2,990,678	25,360	$1,402,622	$13,418,836
NORTH CAROLINA (8).	11,369	2,079,274	3,897,065	314,237	4,811	227,433	2,620,944
MISSISSIPPI (3)	21,195	3,834,380	24,944,902	2,234,734	10,716	445,428	6,514,542
LOUISIANA (9), TEXAS (1). . . .	104,966	19,346,252	115,089,121	10,521,514	33,557	1,717,806	31,585,572
TOTAL (27)	186,820	34,285,442	174,908,908	16,061,163	74,444	3,793,289	54,139,894

NOTE:--INCLUDES A SMALL QUANTITY OF OTHER SPECIES.

PRODUCTION OF OYSTER SHELL PRODUCTS, 1970

("LIVE AND REEF SHELLS")

STATE AND NUMBER OF PLANTS	POULTRY GRIT		LIME, BURNED AND UNBURNED		TOTAL	
	TONS	VALUE	TONS	VALUE	TONS	VALUE
PENNSYLVANIA (1), MARYLAND (1), VIRGINIA (1), ALABAMA (1), TEXAS (1) AND OREGON (1)	166,679	$3,076,664	37,358	$332,676	204,037	$3,409,340

PRODUCTION OF MARINE PEARL SHELL BUTTONS, 1970

ONLY TWO PLANTS PRODUCED PEARL SHELL BUTTONS IN 1970. PRODUCTION OF MARINE SHELL BUTTONS HAS BEEN INCLUDED IN THE TABLE "PRODUCTION OF MISCELLANEOUS INDUSTRIAL FISHERY PRODUCTS."

PRODUCTION OF MISCELLANEOUS INDUSTRIAL FISHERY PRODUCTS, 1970

PRODUCT	STATE AND NUMBER OF PLANTS	VALUE
AGAR-AGAR	CALIFORNIA (1)	$26,598,533
ANIMAL FEEDS AND FISH FEED PELLETS. .	CALIFORNIA (4), OREGON (1), AND WASHINGTON (1)	
IRISH MOSS EXTRACTS	MAINE (2)	
KELP PRODUCTS	CALIFORNIA (3)	
LEATHER PRODUCTS.	NEW JERSEY (1)	
LIQUID FERTILIZER	CALIFORNIA (1), AND OREGON (1)	
COLORED CHIPS	IOWA (1)	
PEARL ESSENCE	MAINE (6)	
CRAB AND CLAM SHELLS (PROCESSED FOR FOOD SERVING).	ALABAMA (1), MISSISSIPPI (2), AND NORTH CAROLINA (1)	
MUSSEL SHELL LIME	IOWA (1)	
MARINE SHELL BUTTONS.	NEW JERSEY (2)	

NUMBER OF PLANTS PRODUCING INDUSTRIAL FISHERY PRODUCTS, 1970

PRODUCT	ATLANTIC AND GULF COASTS 1/	PACIFIC COAST 2/	TOTAL
	NUMBER	NUMBER	NUMBER
SCRAP AND MEAL, DRIED:			
ALEWIFE	3	-	3
ANCHOVY	-	6	6
CRAB	11	3	14
GROUNDFISH	1	-	1
HERRING, SEA	2	2	4
MENHADEN	26	-	26
SHRIMP	22	1	23
TUNA AND MACKEREL	1	12	13
WHALE	-	1	1
THREAD HERRING	3	-	3
UNCLASSIFIED	9	6	15
OIL:			
BODY:			
ALEWIFE	3	-	3
ANCHOVY	-	6	6
HERRING, SEA	2	1	3
MENHADEN	25	-	25
SALMON	-	2	2
THREAD HERRING	5	-	5
TUNA AND MACKEREL	-	6	6
WHALE:			
SPERM	-	1	1
OTHER	-	1	1
UNCLASSIFIED	3	4	7
LIVER OILS	1	-	1
MUSSEL SHELL PRODUCTS (FRESH-WATER):			
LIME	1	-	1
COLORED CHIPS AND DUST	1	-	1
OYSTER SHELL PRODUCTS:			
CRUSHED SHELL FOR POULTRY FEED	4	1	5
SHELL LIME (BURNED AND UNBURNED)	3	1	4
MARINE PEARL SHELL BUTTONS	2	-	2
AGAR-AGAR	-	1	1
FISH SOLUBLES	24	5	29
IRISH MOSS EXTRACTS	2	-	2
KELP PRODUCTS	-	3	3
LIQUID FERTILIZER	-	2	2
PEARL ESSENCE	6	-	6
CRAB SHELLS (FOR DEVILED CRAB MEAT)	3	-	3
ANIMAL FEEDS	-	4	4
FISH FEED PELLETS	-	2	2
LEATHER PRODUCTS	1	-	1
CLAM SHELL FOR CLAM MEATS	1	-	1
TOTAL, EXCLUSIVE OF DUPLICATION	92	35	127

1/ INCLUDES FIRMS IN THE MISSISSIPPI RIVER AND GREAT LAKES AREA.

2/ INCLUDES AMERICAN SAMOA AND PUERTO RICO.

PRODUCTION OF INDUSTRIAL FISHERY PRODUCTS, 1949-70

YEAR	MENHADEN DRIED SCRAP AND MEAL		HERRING MEAL		SARDINE (PACIFIC) MEAL	
	TONS	VALUE	TONS	VALUE	TONS	VALUE
1949	112,641	$17,773,491	5,298	$973,445	39,278	$6,219,717
1950	103,260	12,855,651	17,797	2,138,776	43,009	5,269,696
1951	115,426	13,877,636	9,631	1,370,083	17,225	2,266,968
1952	143,968	17,844,511	9,864	1,314,361	390	51,741
1953	174,752	21,767,205	5,206	717,472	144	18,966
1954	183,091	23,783,364	6,973	928,862	6,513	842,649
1955	190,628	25,457,512	7,671	1,163,464	6,966	968,908
1956	210,582	27,439,634	11,298	1,562,622	2,809	369,867
1957	172,388	21,725,888	13,891	1,861,961	1,474	183,330
1958	158,074	20,698,929	10,277	1,457,982	10,756	1,390,200
1959	223,893	26,391,987	11,963	1,589,237	2,927	323,999
1960	218,423	19,201,716	9,151	834,426	3,508	316,463
1961	247,551	25,852,498	5,268	619,934	2,518	257,171
1962	239,707	28,249,566	5,095	688,984	702	73,260
1963	184,205	22,263,320	7,537	856,432	(2)	(2)
1964	160,349	20,001,220	8,881	1,102,522	(2)	(2)
1965	175,959	25,869,014	12,932	2,005,617	-	-
1966	134,954	20,539,455	11,860	1,971,118	-	-
1967	119,135	15,265,369	9,492	1,328,183	-	-
1968	143,154	19,534,274	15,411	2,127,988	-	-
1969	159,493	26,960,278	6,563	1,049,420	-	-
1970	186,820	34,285,442	6,415	1,174,696	-	-

YEAR	TUNA AND MACKEREL MEAL		OTHER MEAL, ACIDULATED, DRIED AND GREEN SCRAP		TOTAL, SCRAP AND MEAL	
	TONS	VALUE	TONS	VALUE	TONS	VALUE
1949	19,139	$3,073,742	60,824	$7,611,747	237,180	$35,652,142
1950	25,377	3,268,594	50,511	5,721,018	239,954	29,253,735
1951	23,147	3,021,720	44,327	4,837,490	209,756	25,373,897
1952	21,951	2,892,874	45,230	5,058,167	221,403	27,161,654
1953	20,029	2,622,631	38,720	4,433,379	238,851	29,559,653
1954	21,576	2,850,605	38,814	4,348,517	256,967	32,753,997
1955	23,396	3,120,302	35,841	4,039,282	264,502	34,749,468
1956	26,266	3,355,069	44,838	5,159,699	295,793	37,886,891
1957	25,716	3,037,436	50,616	5,783,140	264,085	32,591,755
1958	25,311	3,185,772	43,722	5,025,696	248,140	31,758,579
1959	25,380	2,847,204	42,388	4,773,438	306,551	35,925,865
1960	26,499	2,318,877	32,556	2,610,106	290,137	25,281,588
1961	21,243	2,056,426	34,685	3,153,807	311,265	31,939,836
1962	26,559	2,578,761	40,196	3,982,659	312,259	35,573,230
1963	26,957	2,943,109	37,208	4,172,288	255,907	30,235,149
1964	21,113	2,229,443	44,909	4,705,673	235,252	28,038,858
1965	25,399	3,032,063	39,761	4,800,367	254,051	35,707,061
1966	25,290	3,199,211	51,717	6,566,004	223,821	32,275,788
1967	25,487	2,757,513	57,075	6,687,219	211,189	26,038,284
1968	28,781	2,955,047	47,790	5,644,019	235,136	30,261,328
1969	26,870	3,238,956	59,638	8,560,352	252,564	39,809,006
1970	26,674	3,753,067	57,053	8,386,916	276,962	47,600,121

YEAR	FISH SOLUBLES AND HOMOGENIZED CONDENSED FISH		OYSTER AND MARINE CLAM SHELL LIME AND GRIT		FRESH-WATER MUSSEL SHELL PRODUCTS	MARINE PEARL SHELL BUTTONS
	TONS	VALUE	TONS	VALUE	VALUE	VALUE
1949	51,671	$5,144,111	362,028	$2,662,252	$3,767,703	$6,782,281
1950	51,863	4,461,362	399,375	2,950,053	5,064,495	9,239,018
1951	50,364	4,128,356	453,319	3,568,745	3,845,661	7,714,846
1952	70,482	5,979,865	429,348	3,359,024	4,438,545	6,905,104
1953	81,494	7,344,967	466,732	3,830,276	5,357,849	7,403,894
1954	115,030	10,591,709	482,687	4,172,518	5,896,153	6,955,096
1955	110,919	8,354,492	359,565	3,148,658	4,787,020	6,606,363
1956	128,829	9,989,083	386,200	3,943,621	4,441,702	6,127,940
1957	122,273	10,218,269	478,568	5,200,589	3,333,369	5,754,892
1958	130,177	11,518,710	431,171	4,718,786	2,424,569	4,217,522
1959	165,359	10,043,051	399,338	4,937,182	1,221,142	3,166,190
1960	98,929	4,020,992	470,825	6,821,034	1/ 577,221	2,675,928
1961	112,254	5,468,643	442,835	6,341,864	1/ 702,296	2,317,503
1962	124,649	6,634,748	435,656	5,888,713	1/ 763,773	1,904,488
1963	107,402	6,753,065	398,583	5,479,819	1/ 369,020	1,151,549
1964	3/93,296	3/5,662,194	362,543	4,914,924	1/ 272,281	1,004,344
1965	3/94,840	3/5,939,073	349,528	4,558,346	1/ 116,669	900,600
1966	3/83,441	3/5,160,371	334,212	4,315,125	(4)	815,595
1967	3/74,675	3/4,587,708	311,367	4,144,107	(4)	788,575
1968	3/71,833	3/3,706,548	239,798	3,572,487	(4)	1,078,408
1969	3/81,692	3/4,123,126	207,332	3,329,118	(4)	856,620
1970	3/97,160	3/5,148,555	204,037	3,409,340	-	(5)

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PRODUCTION OF INDUSTRIAL FISHERY PRODUCTS, 1949-70 - Continued

YEAR	MENHADEN OIL		HERRING OIL		SARDINE (PACIFIC) OIL	
	THOUSAND POUNDS	VALUE	THOUSAND POUNDS	VALUE	THOUSAND POUNDS	VALUE
1949. . . .	62,204	$3,407,510	5,425	$394,297	45,924	$2,872,532
1950. . . .	76,575	5,866,554	24,821	2,366,005	46,415	4,693,550
1951. . . .	94,028	9,771,154	11,346	1,205,384	14,569	1,545,937
1952. . . .	96,665	5,785,395	8,115	517,538	157	10,815
1953. . . .	133,684	8,806,317	5,390	360,533	98	6,402
1954. . . .	139,811	9,755,320	5,707	434,347	5,669	420,531
1955. . . .	159,241	12,195,454	8,183	668,681	6,733	521,566
1956. . . .	168,211	14,092,275	13,681	1,141,911	2,530	180,544
1957. . . .	118,484	9,466,198	14,106	1,138,978	656	54,615
1958. . . .	127,986	9,434,108	13,203	882,119	5,556	426,695
1959. . . .	154,712	10,743,781	15,004	988,994	1,409	91,691
1960. . . .	183,403	11,582,027	11,499	668,295	1,201	78,066
1961. . . .	235,167	12,913,447	6,135	416,710	646	36,221
1962. . . .	232,619	10,059,839	5,086	237,897	161	10,442
1963. . . .	167,635	9,853,302	5,709	292,966	-	-
1964. . . .	157,730	11,734,935	10,354	785,155	(2)	(2)
1965. . . .	175,204	13,240,988	8,528	748,336	-	-
1966. . . .	144,198	10,981,557	7,882	585,464	-	-
1967. . . .	101,384	4,736,298	5,676	306,835	-	-
1968. . . .	152,020	6,247,396	9,533	376,018	-	-
1969. . . .	149,155	8,252,716	3,483	217,339	-	-
1970. . . .	174,909	16,061,163	5,437	328,407	-	-

YEAR	TUNA AND MACKEREL OIL		WHALE AND SPERM OIL		LIVER OIL	
	THOUSAND POUNDS	VALUE	THOUSAND POUNDS	VALUE	THOUSAND POUNDS	VALUE
1949. . . .	4,485	$265,736	562	$52,475	6,258	$9,845,455
1950. . . .	6,633	553,231	-	-	2,484	3,431,090
1951. . . .	5,345	525,552	514	50,200	2,247	2,579,347
1952. . . .	5,586	367,585	-	-	2,074	2,075,014
1953. . . .	4,944	314,586	-	-	1,532	1,436,627
1954. . . .	4,386	243,446	-	-	1,775	1,391,921
1955. . . .	4,087	264,225	-	-	1,642	588,739
1956. . . .	5,290	359,144	2,089	172,703	2,143	625,337
1957. . . .	5,537	397,334	3,276	214,152	1,145	542,031
1958. . . .	4,704	319,183	3,193	219,253	381	234,899
1959. . . .	4,508	190,938	3,910	264,906	247	300,503
1960. . . .	3,819	175,047	3,279	174,569	245	349,813
1961. . . .	5,719	278,160	3,470	242,339	52	54,546
1962. . . .	5,008	235,528	2,567	177,650	44	40,819
1963. . . .	5,903	273,901	2,129	148,416	25	29,070
1964. . . .	4,816	272,178	3,160	195,610	23	24,000
1965. . . .	4,794	333,776	2,667	169,142	(2)	(2)
1966. . . .	4,111	303,320	1,365	81,046	(2)	(2)
1967. . . .	5,218	267,634	2,483	147,434	(2)	(2)
1968. . . .	4,549	162,741	2,394	115,861	(2)	(2)
1969. . . .	4,255	132,172	1,736	103,889	(2)	(2)
1970. . . .	3,534	168,055	680	46,019	(2)	(2)

YEAR	OTHER MARINE ANIMAL OIL		TOTAL OIL		OTHER INDUSTRIAL PRODUCTS	GRAND TOTAL
	THOUSAND POUNDS	VALUE	THOUSAND POUNDS	VALUE	VALUE	VALUE
1949. . . .	7,861	$526,972	132,719	$17,364,977	$7,099,029	$78,472,495
1950. . . .	6,301	562,279	163,229	17,472,709	8,746,994	77,188,366
1951. . . .	8,243	946,069	136,292	16,623,643	8,057,879	69,313,027
1952. . . .	8,111	635,021	120,708	9,391,368	10,756,071	67,991,631
1953. . . .	6,558	557,441	152,206	11,481,906	9,393,451	74,371,996
1954. . . .	6,637	559,879	163,985	12,805,444	9,252,219	82,427,136
1955. . . .	6,848	629,949	186,734	14,868,614	10,820,787	83,335,402
1956. . . .	7,556	679,758	201,500	17,251,672	12,095,932	91,736,841
1957. . . .	9,411	805,921	152,615	12,619,229	11,662,865	81,380,968
1958. . . .	10,187	816,933	165,210	12,333,190	12,911,693	79,883,049
1959. . . .	7,544	511,163	187,334	13,091,976	13,830,120	82,215,526
1960. . . .	5,697	358,655	209,143	13,386,472	13,831,917	66,595,152
1961. . . .	6,929	431,463	258,118	14,372,886	13,425,946	74,568,974
1962. . . .	4,590	239,233	250,075	11,001,408	13,911,209	75,677,569
1963. . . .	4,426	255,797	185,827	10,853,452	13,759,174	68,601,228
1964. . . .	4,115	285,113	180,198	13,296,991	16,721,404	69,910,996
1965. . . .	4,247	359,952	195,440	14,852,194	20,756,230	82,830,173
1966. . . .	6,489	528,301	164,045	12,479,688	17,925,121	72,971,688
1967. . . .	7,637	653,468	122,398	6,111,669	19,356,446	61,026,789
1968. . . .	5,576	424,675	174,072	7,326,691	24,181,692	70,127,154
1969. . . .	11,153	618,587	169,782	9,324,703	27,156,352	84,598,925
1970. . . .	9,873	784,969	194,423	17,388,613	26,598,533	100,145,162

1/ INCLUDES THE VALUE OF NOVELTIES. 2/ INCLUDED IN OTHER MEAL OR OTHER OIL. 3/ HOMOGENIZED CONDENSED FISH WAS NOT PRODUCED AFTER 1963. 4/ INCLUDED WITH MARINE PEARL SHELL BUTTONS. 5/ INCLUDED WITH OTHER INDUSTRIAL PRODUCTS.

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